Q-365R1

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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SUPER DUTY ROOF ANTENNA RELOCATION GUIDANCE

REVISION	UPDATE	REVISION DATE
Q-365R1	Revise PC3Z-18812-D to PC3Z-18812-H. Added note to create no loop harness.	13FEB2024
Q-365	INITIAL RELEASE	17JUL2023

MODEL(S) AFFECTED:
2023MY & LATER SUPER DUTY

ISSUE / DESCRIPTION:
This Bulletin is intended to provide guidance for key service part numbers required to fabricate and relocate the roof mounted antennas.

The following tables contain both the service part numbers of the roof antenna cable assembly and the donor antenna cable assembly in which to modify to create a 1365mm extension cable. 3 cables will be 1865mm long and will have to be coiled or looped back. NOTE: If two PC3Z-18812-H harnesses are ordered, the parts can be combined to create a harness where no "looping" is required.

HARNESS USED TO REPLACE HEADLINER ANTENNA CABLES

Service Part Number	Description	Quantity
PC3Z-18812-C	CA ASY ANT EXT	1

HARNESS USED TO CREATE EXTENSION CABLES

Service Part Number	Description	Quantity
PC3Z-18812-H	CA ASY ANT EXT	1 (2 opt.)

CONNECTORS REQUIRED
(NON-FORD PART NUMBER, MUST BE PURCHASED VIA AUTHORIZED ROSENBERGER DISTRIBUTOR)

Rosenberger Part Number	Description	Quantity
AMZ040-COO-B	CONNECTOR	1
AMZ040-COO-A	CONNECTOR	1

The PC3Z-18812-C roof antenna assembly eliminates the need to remove the headliner and installed wiring harness.

The PC3Z-18812-H antenna cable is used as the assembly which needs to be modified to create a 1365mm extension harness.

The Rosenberger connectors will be used to replace the two of the PC3Z-18812-H connectors and will require the re-pin of the body wiring side interconnect to create an extension harness.

NU5T-19C041-BA WILL REPLACE NU5T-19C041-EA connector (containing 4 1325mm long cables) maintaining the same pinout locations
NU5T-19C041-AA WILL REPLACE NU5T-19C041-DA connector (containing 3 1865mm long cables) maintaining the same pinout locations

NOTE:

- **Any excess cable lengths should be looped within the harness. Please make sure the minimum bend radius is more than 10 times the cable diameter.**
- **It is not recommended to exceed the cable length of 1865 mm [73.4 in] for the extension, as it may cause additional signal performance issue(s).**

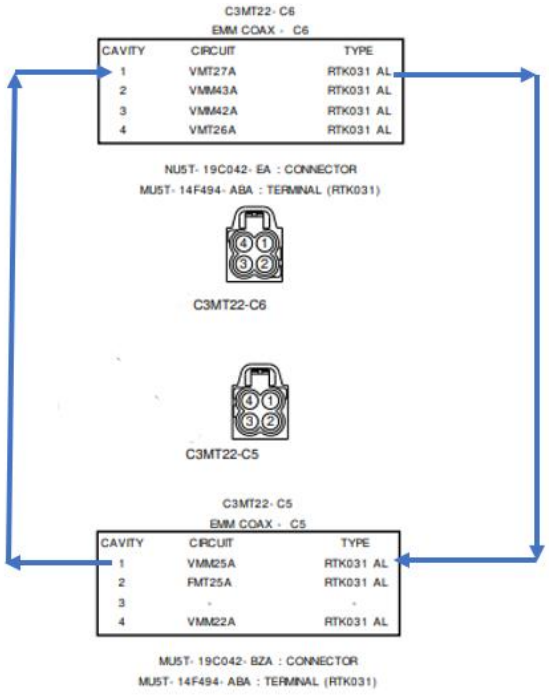
Please consult the General Body Builder Layout Book, Design and Recommendations section, for guidance on Paint, Sealing, Drilling and Electrical applications.

Instructions:
The extension harness with the two short 25mm takeout connectors will need to be re-pinned. Please follow the steps provide below.

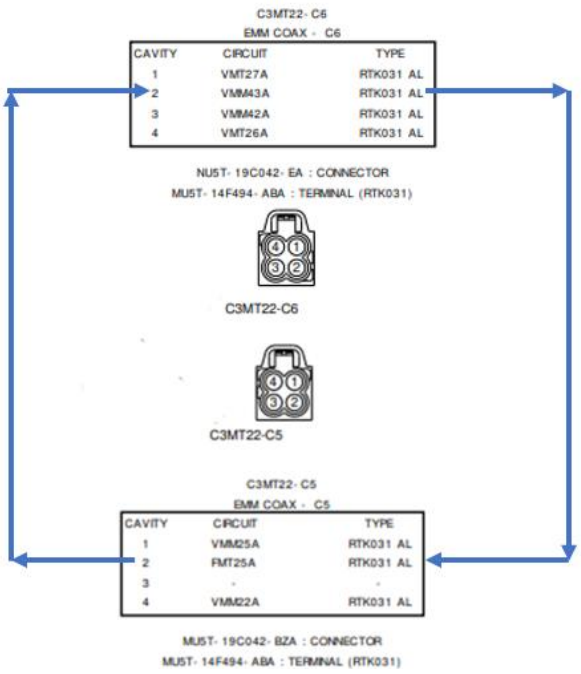
Step 1: Remove the cable VMT27A from NU5T-19C042-EA (connector with 4 cables) located in cavity 1 and replace it with VMM25A which is in cavity 1 of the MU5T-19C042-BZA (connector with 3 cables). Load VMT27A into MU5T-19C042-BZA cavity 1.

Step 2: Remove the cable VMM43A from NU5T-19C042-EA (connector with 4 cables) located in cavity 2 and replace it with FMT25A which is in cavity 2 of the MU5T-19C042-BZA (connector with 3 cables). Load VMM43A into MU5T-19C042-BZA cavity 2.

Step 1

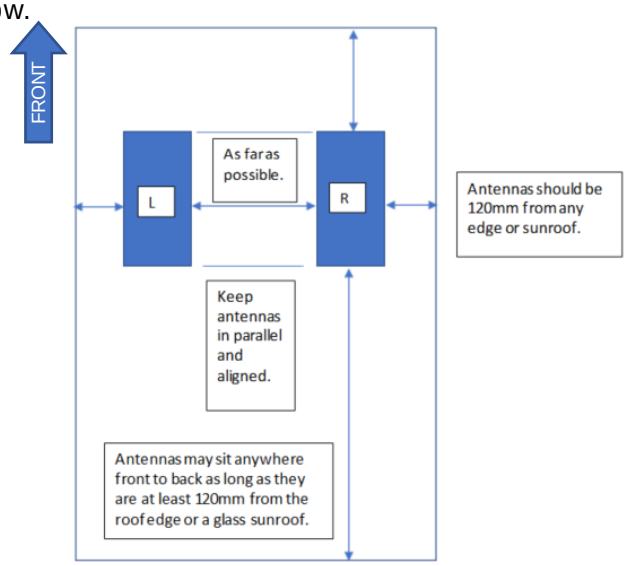


Step 2



Antenna Mounting Guidance:

- Keep the antennas on their appropriate side.
- Antennas should be torqued to 10.5Nm +/- 1.5 Nm
    - Antennas may be mounted at the customers discretion and must be positioned in parallel at a minimum of 120mm from the roof edge, glass sunroof/vent and/or roof mounted A/C unit. Reference antenna alignment shown image below.


FRONT
L
As far as possible.
R
Antennas should be 120mm from any edge or sunroof.
Keep antennas in parallel and aligned.
Antennas may sit anywhere front to back as long as they are at least 120mm from the roof edge or a glass sunroof.

Refer to the Body Builder Layout Book for additional guidelines and recommendations. If you have any questions, please contact the Ford Body Builders Advisory Service as shown in the header of this bulletin.